

Claims

1. An antenna pattern characterized in that a conductor wire forming the antenna pattern is formed out of an aggregated wire consisting of mesh or continuously polygonal micro-image element lines or an aggregated wire consisting of parallel element lines.
2. An antenna pattern according to Claim 1, characterized in that the mesh or continuously polygonal micro-image element lines or the parallel element lines are 5-300 μm in line width and 5-1,000 μm in line pitch interval.
3. An antenna pattern according to Claim 1, characterized in that the mesh or continuously polygonal micro-image element lines or the parallel element lines are 5-50 μm in line width and 5-500 μm in line pitch interval.
4. An antenna pattern according to Claim 1, characterized in that the mesh or continuously polygonal micro-image element lines or the parallel element lines are 5-30 μm in line width and 5-150 μm in line pitch interval.
5. An antenna pattern according to Claim 1, characterized in that the mesh or continuously polygonal micro-image element lines or the parallel element lines are 30-300 μm in line width and 50-1,000 μm in line pitch interval.

6. An antenna pattern according to any one of Claims 1 through 5, characterized in that the mesh or continuously polygonal micro-image element lines or the parallel element lines are produced by use of a printing method or an etching system.

7. An antenna pattern according to any one of Claims 1 through 5, characterized in that the mesh or continuously polygonal micro-image element lines or the parallel element lines are printed with printing ink or paste material mixed with conductive powder.

8. An antenna pattern according to any one of Claims 1 through 5, characterized in that the mesh or continuously polygonal micro-image element lines or the parallel element lines are printed with printing ink or paste material mixed with conductive powder, and conductive plating is further performed on the printed surface with or without aid of eletroless plating.

9. An antenna pattern according to any one of Claims 1 through 5, characterized in that the mesh or continuously polygonal micro-image element lines or the parallel element lines are printed with printing ink or paste material mixed with conductive powder, and predetermined pressure treatment and/or polishing treatment are performed further thereon.

10. An antenna pattern according to any one of Claims 1 through

5, characterized in that the mesh or continuously polygonal micro-image element lines or the parallel element lines are printed with printing ink or paste material mixed with conductive powder, predetermined pressure treatment and/or polishing treatment are further performed on the printed surface, and conductive plating is further performed on the printed surface with or without aid of eletroless plating.

11. An antenna pattern according to any one of Claims 7 through 10, characterized in that the conductive powder has an average particle size of 0.001-10 μm , and is selected from Cu, Ti, Fe, Ni, Mg, Pd, Ag, Au and C, or alloys thereof.

12. An antenna pattern according to any one of Claims 1 through 5, characterized in that the conductor wire has an amorphous alloy as a constituent component thereof.

13. An electromagnetic wave energy processing device characterized by comprising an antenna pattern according to any one of Claims 1 through 12.

14. A sheet-like electromagnetic wave energy processing device characterized in that an antenna pattern according to any one of Claims 1 through 12 is provided on a sheet or a thin plate.

15. A sheet-like electromagnetic wave energy processing

device characterized in that an antenna pattern according to any one of Claims 1 through 12 is provided on a sheet or a thin plate, and a coating or a thin sheet is laminated further thereon.

16. An electromagnetic wave energy processing device according to any one of Claims 13 through 15, characterized in that the electromagnetic wave energy processing device is an antenna having an antenna pattern according to any one of Claims 1 through 12.

17. An electromagnetic wave energy processing device according to any one of Claims 13 through 15, characterized in that the electromagnetic wave energy processing device is an electromagnetic wave shielding filter having an antenna pattern according to any one of Claims 1 through 12.